



**ENGINEERING OPERATIONS COMMITTEE
MEETING MINUTES
JANUARY 6, 2000 - 9:00 A.M.
EXECUTIVE CONFERENCE ROOM**

Present: C. T. Maki G. D. Taylor J. D. Culp
C. Roberts P. F. Miller T. E. Davies
J. W. Reincke T. Fort M. H. Frankhouse
S. Bower

Guests: L. Galehouse B. R. Lower T. Myers
D. L. Smiley M. Van Port Fleet C. Libiran
J. T. LaVoy M. L. Lauer

OLD BUSINESS

1. Approval of the Minutes of the November 9, 1999, Meeting - C. T. Maki

Minutes of the November 9, 1999, meeting were approved as written.

2. Draft Operating Instructions for Scoping of Road and Bridge Projects to Meet the Current AASHTO Vertical Clearance Standards - M. Van Port Fleet

The Design Division refined the operating instructions to clearly state the 3R design exception process. Mark noted that additional "work types" will be added to the bridge preventive maintenance description on Page 4. Tom Fort indicated that FHWA had reviewed the document and the approach is sound and rational. FHWA is satisfied with the final project.

ACTION: The operating instructions are approved with the addition of the following work types to the bridge preventive maintenance description: drainage system repairs, scour countermeasures, concrete crack sealing, concrete sealing, concrete patching and repair (high quality patching), approach pavement relief joint installment, and polymer overlays.

NEW BUSINESS

1. Region Engineer Representative for 2000 - C. T. Maki

Thom Davies will serve as the ongoing region engineer representative for 2000 and beyond. A 2000 membership list is attached.

2. Revisions to Design Standard Plans - P. Miller/C. Libiran

Revisions to design standard plans receive a twice a year distribution. The review and approval process is quite extensive. A summary of the current revisions was reviewed.

ACTION: The current review and approval process is viable. A summary of all future revisions will be sent to EOC for review.

3. **Pavement Committee - S. Bower**

Currently, EOC has two standing subcommittees, the Bituminous Advisory Committee and the Pavement Selection Review Committee. Reorganization and changes in the structure of the department suggest consolidation of this committee structure.

It is proposed to replace these committees and combine their functions under a new Pavement Committee. It would be responsible to EOC for reviewing and recommending new procedures, policies, and specification changes related to all pavement types. The committee would also review final research reports relating to pavements, prior to EOC review.

The proposed committee composition was discussed. There should be no more than ten members, including five department pavement staff engineers (Steve Bower, Mike Frankhouse, Larry Galehouse, John LaVoy, and Dave Smiley), two or three regional members, an FHWA representative (Ryan Rizzo), and one representative from local agencies.

ACTION: Thom Davies will contact the regions for their recommendations on representatives. A formal committee recommendation will be brought to EOC at the February meeting.

4. ***Pavement Design and Selection Manual - S. Bower***

The department has developed a new pavement selection process in partnership with MAPA and MCPA. The new process meets state and federal requirements. (The old pavement selection manuals are outdated.) Steve reviewed the major sections and highlights of the draft manual. FHWA has reviewed it and Tom Fort commented that it is an excellent piece of work, and the department and those involved in its preparation should be commended.

ACTION: The manual is approved, subject to the addition of two pending schedules that are due in about two weeks. The manual will be published in a loose leaf format and distributed as soon as possible.

5. **Bureau of Highway Instructional Memorandum 2000-01, *Improving Visibility of Night Work* - J. D. Culp/J. Grossklaus**

This item was withdrawn from the agenda.

6. **Issuance of Revised *Maintenance Work Zone Traffic Control Guidelines* - C. Roberts/B. Lower**

The guidelines were last updated in 1994 and significant changes have occurred since then. The Maintenance Division held a series of meetings with the regions to identify needed changes. The guidelines were revised to incorporate region maintenance needs while paralleling current traffic and safety practices. The guidelines have undergone several reviews and revisions.

ACTION: The guidelines are approved and Maintenance will issue a summary of the changes from past practice.

7. **Construction and Technology Division's *Soil Erosion and Sedimentation Control Manual* - J. D. Culp/M. L. Lauer**

The *Soil Erosion and Sedimentation Control Manual* has been updated for the first time since 1976. The manual states how the department, as an authorized public agency, will conduct earthwork activities on construction projects and control erosion and runoff sedimentation. It provides details on how to build and pay for erosion control devices. The Michigan Department of Environmental Quality and the Michigan Department of Agriculture have reviewed and approved the manual.

The manual will become a contract document. It now includes details on how we will build, operate, and maintain a variety of soil erosion/sedimentation control devices. It will give contractors better understanding about how to bid/build the devices and how they will be paid. Contractors had input into this revision.

Thom Davies indicated the regions need more time to review and comment.

ACTION: Approval was tabled pending region review. Marge Lauer will discuss the manual at an upcoming industry partnering meeting and will meet with the regions, as necessary, to discuss their input.

8. **Revised *Capital Preventive Maintenance Guidelines* - C. Robert/L. Galehouse**

The revised guidelines are a result of process improvement for the CPM program. The current guidelines do not contain information that assesses the present rate of pavement deterioration, which should be linked to treatment selection guidelines.

The Pavement Management System uses a measure, Remaining Service Life (RSL), that shows a pavement's rate of deterioration. The importance of this measurement must be stressed in pavement selection to achieve the optimum life extension of a preventive maintenance treatment.

The threshold values of RSL for each treatment are now included in the guidelines. Industry has reviewed and agreed to their inclusion.

ACTION: The revised guidelines are approved and will be distributed to the regions under a cover letter from Tom Maki.

9. **AASHTO Lead States' Work Plan *Research Protocols for Pavement Preservation* - C. Roberts/L. Galehouse**

There are always new products and treatments being proposed for pavement preservation without knowing their cost-effectiveness or the impact on pavement performance. There needs to be a formal process that tracks and documents these issues. The AASHTO/SHRP Implementation Lead State Team for Pavement Preservation developed a process to evaluate and validate new preventive maintenance treatments.

It is proposed to use these protocols on any new pavement treatment proposed for the CPM Program, or any other pavement preservation initiative with other funding.

ACTION: EOC approved the AASHTO Work Plan *Research Protocols for Pavement Preservation* for implementation. The protocols will be included in the CPM Manual for region use.

The proposed new Pavement Committee will be the central clearinghouse for these products and treatments.

(Signed Copy on File at C&T/Secondary)
Jon W. Reincke, Secretary
Engineering Operations Committee

JWR:kat

Attachment

cc: EOC Members
Region Engineers

J. R. DeSana	R. J. Risser, Jr. (MCPA)	J. Murner (MRPA)	T. L. Nelson
R. J. Lippert, Jr.	A. C. Milo (MRBA)	J. Ruszkowski	R. D. Till
D. L. Smiley	J. Becsey (MAPA)	C. Libiran	M. Frierson
M. Nystrom (AUC)	D. Hollingsworth (MCA)	G. J. Bukoski	C. W. Whiteside
M. Newman (MAA)	J. Steele (FHWA)	K. Rothwell	T. E. Myers



2000 ENGINEERING OPERATIONS COMMITTEE MEMBERSHIP

Name	Region/Division	Telephone Number	Fax Number	Secretary
C. T. Maki, Chairperson	Executive	517-373-4656	517-335-2785	Vanessa Blaxton
G. D. Taylor	Bureau of Highway Technical Services	517-373-1884	517-335-2813	Bonnie Jay
J. D. Culp	Construction & Technology	517-322-1085	517-322-5664	Kathy Trentham
C. Roberts	Maintenance	517-322-3390*	517-322-2699*	Jenny Hutchinson
P. F. Miller	Design	517-373-0030	517-335-2731	Dorothy Rowe
J. D. O'Doherty	Traffic & Safety	517-373-2326	517-373-2330	Shirley Teachout
T. E. Davies	University Region	517-780-7512*	517-780-7825*	Mary Carl
J. W. Reincke, Secretary	Construction & Technology	517-322-1632	517-322-5664	Chris Helmer
T. Fort	FHWA	517-377-1880* Ext 42	517-377-1804*	
S. Bower, Pavement Selection Review Committee	Design	517-373-0551	517-335-2731	Judy McNea
M. H. Frankhouse, Chair, Bituminous Advisory Committee	Construction & Technology	517-322-5672	517-322-5664	Karen Bickel

*Not a Centrex Number

January 2000